

Abstract

Method for electronic tuning of the read oscillation frequency of a Coriolis gyro

In a method for electronic tuning of the frequency of the read oscillation to the frequency of the stimulation oscillation in a Coriolis gyro (1') according to the invention, the resonator (2) of the Coriolis gyro (1') has a disturbance force applied to it such that the stimulation oscillation remains essentially uninfluenced, with the read oscillation being changed such that a read signal which represents the read oscillation contains a corresponding disturbance component. The frequency of the read oscillation is controlled such that the phase shift between the disturbance signal and the disturbance component which is contained in the read signal is a minimum.

(Figure 1)